

PD - 2601 / 2602 Series

POSIFLEX

User's Manual

Rev. Original

FCC Notes:

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions manual, may cause interference to radio communications. It has been tested and found to comply with limits for a Class A digital device pursuant to subpart J of Part 15 of FCC Rules, which are designed to provide reasonable protection against interference when operated in a commercial environment. Operation of this equipment in a residential area is likely to cause interference in which case the user at his own expense will be required to take whatever measures to correct the interference.



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BRIEF INTRODUCTION

THE PRODUCT

The PD-2601 is a pole mount customer display option designed for Posiflex HT series hybrid POS terminals. The PD-2602 is a pole mount customer display option designed for Posiflex KS or TP series touch POS terminals. It is delivered in separate carton for HT / KS / TP series and shall be installed per instruction in this manual.

FEATURES

- Bright VFD (vacuum fluorescent display) with green filter
- Rear mount Pole Display for Posiflex HT series hybrid terminals or KS series fanless touch POS terminals or TP series touch POS terminals
- Two-line display with 20 characters per line
- Adequately large characters for easy viewing (9.03 mm by 5.25 mm)
- Long life and trouble free operation
- 15 °, 30 ° and 45 °adjustable viewing angles
- Total height 486 mm (PD-2601 on HT series)
- Total height 330 mm (PD-2602 on base of KS and TP series)
- Display frame can rotate horizontally 270° freely
- Various command emulation modes selectable by DIP switch
- Support 12 Code Pages of 128 characters each
- Support 12 international character sets of 12 characters each
- Simple installation
- Selectable between Serial (RS232) interface model and USB interface model
- Supports UPOS 1.8 and is WEPOS ready
- Case color choices: ivory, charcoal for HT and TP terminals or ivory, black for KS terminals

INSTALLATION GUIDES

HOST SYSTEM PREPARAION

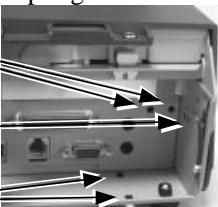
For serial interface (RS232) PD-2601 or PD-2602 to be used in HT or KS or TP series, you have to adjust during power off the internal jumper of the host system to **supply 5 V DC** to the COM port selected for the serial interface pole display. This adjustment has to be done by a qualified electronic technician following guide from relevant technical manual. The default communication protocol should be set to 9600 bps, none parity, 8 data bits, 1 stop bit with hardware handshaking on CTS. The power for the USB interface type pole display is supported through the USB connection.

OPENING THE CONNECT COVER ON SYSTEMS

For ease of PD-2601 installation operation, the HT main unit has to be opened with sufficient precautions. First push in the circled knobs on both sides as in right picture to remove the back cover. Take out the arrow pointed pole cover from it. Prepare a piece of clean soft clothe of appropriate size in front of the HT system to prevent damage. Turn the display panel to straight up position. Push in the rectangular marked spring button in the right picture on both sides of chassis and raise the rear edge of the top cover.

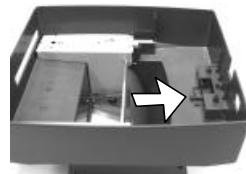
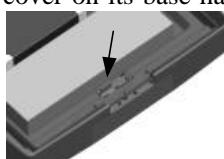


Locating holes on I/O plate
Screw hole on sidewall
Installation holes on bottom

A black and white photograph showing the bottom of the HT system. Three arrows point from the text 'Locating holes on I/O plate', 'Screw hole on sidewall', and 'Installation holes on bottom' to three circular holes in the metal chassis.

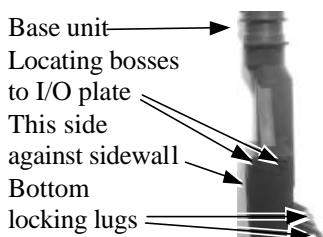
Then find the necessary holes for installation of PD-2601 near the right corner (as you are facing the HT system from its back) on bottom of the chassis as in the left picture.

To install PD-2602 to the base of KS or TP systems, the rear connect cover on its base has to be removed as described in the user's manual. The plastic hook plate to remove the rear connect cover in slim base is indicated in the left picture and the plastic hook plate for universal base is indicated in the right picture.



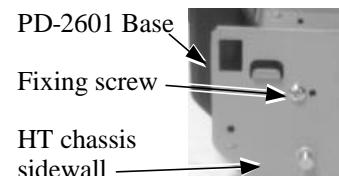
FIXING POLE DISPLAY BASE TO SYSTEM

To install PD-2601 to the HT system, please take PD-2601 out of its box and the pole base unit is as in the left picture.

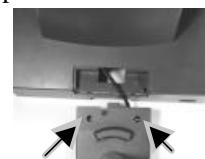


Insert the 2 bottom locking lugs on pole base into the 2 rectangular installation holes on bottom of HT chassis from the right corner. Match the 2 cylindrical locating bosses into 2 round holes in the I/O plate. The side of PD-2601 base with the screw holes shall face against the sidewall of HT system chassis. Use

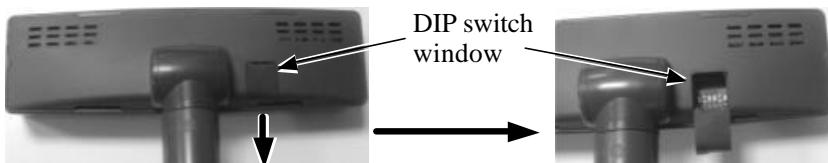
the self-tapping screw that comes with PD-2601 to fix from external side of sidewall as demonstrated in the right picture. Carefully close back the top cover of HT system and connect the interface cable of PD-2601 to appropriate port in HT connector area. Then close the back cover of HT system.



To fix the PD-2602 to base of KS or TP systems, please connect the interface cable of PD-2602 through the opening in the system rear connect area to the appropriate port passing the inside of system base as indicated in the top-view picture right. Match the pole base (joint mechanism) to the system rear connect area Fit 2 screws **through washers** at arrowed points to hold the joint tight.



COMMAND EMULATION MODE SETUP



Now please check the back of PD-2601 / 2602 display head as in the left picture above. There is a small piece of plastic cover for the "DIP switch window". Slide the cover downward but don't pull it off otherwise you may have to practice for inserting it back. You can find 6 positions of DIP switches in this window. Adjust for the appropriate command mode used by the application program according to below table. Switch position counts from left to right and "ON" means pushed up as indicated in the right picture above.

Switch Position						Command Mode
1	2	3	4	5	6	
ON	OFF	OFF	ON	OFF	OFF	ADM
ON	OFF	ON	ON	OFF	OFF	Aedex
ON	OFF	ON	OFF	OFF	OFF	Epson
ON	OFF	OFF	ON	ON	OFF	Futaba
ON	OFF	ON	OFF	ON	OFF	Noritake
ON	OFF	ON	ON	ON	OFF	UTC

The factory default command mode is set to Noritake mode for normal delivery. Please change it to Epson mode if OPOS or UPOS driver is used for the application program.

POWER ON SIGN

With interface cable connection well installed (and with COM port power set for serial models), turn on the HT or KS or TP Posiflex POS system, a firmware identifier as power on sign will appear on the pole display screen for a while to indicate that pole display is self-tested O.K. and ready to work.

USING THE CUSTOMER DISPLAY

INTERFACE SELECTION

This series of customer display is designed to serve in HT / KS / TP series Posiflex POS systems with RS232 interface models and with USB interface models. It is advisable to well study the I/O port availability of the host system before determining which interface model to be used.

When a RS232 (serial) interface model of PD-2601 / 2602 is used, the jumper on main board of HT / KS / TP system must be modified to supply power to the COM port designated for PD-2601 / 2602. Whenever the RS232 interface PD-2601 / 2602 is to be removed from the HT / KS / TP system, consequently the jumper has to be changed back to neutralize the COM port, **otherwise damage could occur!**

The USB interface model of PD-2601 / 2602 should be connected directly to an USB port and **must not be through any USB HUB** to get power through the USB port itself and there is no need for other special arrangement.

COMMAND MODE SELECTION GUIDE

The below table provides some comparison for selection on command mode to be used in the application program if it is not yet determined.

Mode	ADM	Aedex	Epson	Futaba	Noritake	UTC
Cursor	N.A.	N.A.	Invisible	Blinking Block	Blinking Block	Blinking Block (DP)
Default mode	N.A.	N.A.	Over/W	V. scroll	Over/W	PT
User defined font	N.A.	N.A.	2 chars	N.A.	2 chars	2 chars (PT)
Brightness control	NO	NO	YES	YES	YES	YES (DP)
Leading code change	NO	YES	NO	YES	YES	YES (PT)
Code page select	NO	NO	YES	YES	YES	YES
Auto scroll message	NO	NO	NO	YES	YES	YES (PT)
Timer clock	NO	NO	YES	NO	NO	YES (PT)

DRIVER INSTALLATION

For application software to use RS232 interfaced PD-2601 / 2602, there is no direct need for any driver. The OPOS (OLE POS) driver or the JPOS (Java POS) driver would be required for OPOS or JPOS programs and the PD-2601 would have to be set to "Epson" command mode. These drivers are available from our web: <http://www.posiflex.com>

For USB interfaced PD-2601 / 2602, please visit our web site and find the driver from the class "PD23_26U". The guidance for each function call in the library "USBPD.dll" is covered in the "ReadMe" file in that class.

SPECIFICATION

OPTICAL

Number of digits	20 digits/row, 2 rows
Dot matrix	5 X 7 dots
Digit height	9.03 mm
Digit width	5.25 mm
Display color	Green (505 nm)

MECHANICAL

Total Height (PD-2601)	486 mm
Total Height (PD-2602)	330 mm
Display Head Height	28.2 mm
Display Head Width	196.6 mm
Display Head Depth	28.2 mm
Case color	Black or Charcoal or Ivory

ELECTRICAL

Power from interface port of HT / KS / TP system:
+ 5VDC 1A

ENVIRONMENTAL

Operating temperature	0° to + 40°C
Storage temperature	-20° to + 70°C
Operating humidity	20% to 85%, non-condensing
Storage humidity	5% to 90%, non-condensing

WARNING: If the user opens the pole display housing to make any modification, all the product warranty will be voided.

NOTE: Please refer to Posiflex Product Information CD or visit our web <http://www.posiflex.com.tw> for further information when needed.



Part 10